BRUHATH BENGALORE MAHANAGARA PALIKE YALAHANKA ZONE

Name of Work :Improvements of Roads and Drains at SC/ST Area in Ward No.04

No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Civil Work								
	KSRRB M200-24. Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications. MORTH Specification No. 202 (Page No-140 Item no - 18.47 of KPWD SR 2018-19)								
	For CC Road								
	B sector								
	5mtr Wide Road	1	290.00	3.80	0.15	165.30			
	9th B Cross	1	103.00	4.70	0.15	72.62			
	11th B Cross	1	113.00	4.80	0.15	81.36			
	Near 19th B cross	1	34.00	4.70	0.15	23.97			
		2	50.00	1.10	0.15	16.50			
						359.75	**Cum**	**952.94**	**342815.40**
	Basic Rate	899.00							
	Area Weightage 6%	53.94							
	Grand Total	**952.94**							
	KSRRB 300-3. **Earthwork excavation by manual means** for roads, drains & similar works in ordinary soil invoiving , excavated surface leveled & sides neatly dressed , the disposed earth to be levelled neatly after breaking of clods complete as per specification MORTH/ Chapter 3. (Page No. 142/ Item No. 19.1/ PWD SR 2018-19)								
	For RCC Drain								
	5mtr Wide Road	2	143.00	1.10	1.00	314.60			
	11th B Cross	1	105.00	1.10	1.00	115.50			
	Near 19th B cross	1	34.00	1.10	1.00	37.40			
	For CC Road								
	B sector								
	5mtr Wide Road	1	290.00	3.80	0.30	330.60			
	9th B Cross	1	103.00	4.70	0.30	145.23			
	11th B Cross	1	113.00	4.80	0.30	162.72			
	Near 19th B cross	1	34.00	4.70	0.30	47.94			
		2	50.00	1.00	0.30	30.00			
						1183.99	**Cum**	**220.40**	**260951.40**
	Basic Rate	130.00							
	Loading and Unloading	57.00							
	Laead For Earth for 10km	25.60							
	Area Weightage 6%	7.80							
	Grand Total	**220.40**							
	KSRRB M2100-10. Providing and laying **Plain cement concrete of mix 1:3:6** with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. (P.No-222,I No-27.18)								
	For RCC Drain								
	5mtr Wide Road	2	143.00	1.10	0.15	47.19			
	11th B Cross	1	105.00	1.10	0.15	17.33			
	Near 19th B cross	1	34.00	1.10	0.15	5.61			
	For CC Road								
	B sector								
	5mtr Wide Road	1	290.00	3.80	0.15	165.30			
	9th B Cross	1	103.00	4.70	0.15	72.62			
	11th B Cross	1	113.00	4.80	0.15	81.36			
	Near 19th B cross	1	34.00	4.70	0.15	23.97			
		2	50.00	1.00	0.15	15.00			
						428.37	**Cum**	**5421.90**	**2322579.30**

No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Basic Rate	5115.00							
	Area Weightage 6%	306.90							
	Grand Total	**5421.90**							
	Providing and laying plain/reinforced cement concrete for side drains **using M20 nominal mix** concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specificationsdo- Wall & bottom thickness 15cm (I No-37.59.2,P No-271)								
	For RCC Drain								
	For CC drain Raft								
	5mtr Wide Road	2	143.00	0.90	0.15	38.61			
	11th B Cross	1	105.00	0.90	0.15	14.18			
	Near 19th B cross	1	34.00	0.90	0.15	4.59			
	For CC drain Wall								
	5mtr Wide Road	4	143.00	0.15	0.75	64.35			
	11th B Cross	2	105.00	0.15	0.75	23.63			
	Near 19th B cross	2	34.00	0.15	0.60	6.12			
						151.47	**Cum**	**7070.20**	**1070923.19**
	Basic Rate	6670.00							
	Area Weightage 6%	400.20							
	Grand Total	**7070.20**							
	KSRB 4.9.2 : **Providing T.M.T steel reinforcement** for R.C.C workincluding straightening, cutting, bending, hooking, placing in position,lapping and / or welding wherever required, tying with binding wire andanchoring to the adjoining members wherever necessary complete asper design (laps, hooks and wastage shall not be measured and paid)cost of materials, labour, HOM of machinery complete as perspecifications.Specification No. KBS 4.6.3([illegible]								
	Consider 65kg/Cum for drain	1	151.47	65.00		9845.55			
						9.85	**Tonne**	**72326.98**	**712098.90**
	Basic Rate	58233.00							
	Area Weightage 6%	4093.98							
	Grand Total	**72326.98**							
	Providing and Fixing **pre cast covering Slab** made out of CC 1:2:4 with 10cm thick and Finishing cutting ,including form work,curing,including cost of alll materials, labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc ,copmplete. **(Data Rate)**								
	B sector								
	5mtr Wide Road	2	143.00	0.90		257.40			
	11th B Cross	1	105.00	0.90		94.50			
	Near 19th B cross	1	34.00	0.90		30.60			
						382.50	**Sqm**	**2337.00**	**893902.50**
	Data Rate	**2337.00**							
	KSRRB 300-Compaction KSRRB 300-58. **Compaction of original ground** with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications.(P.No. 147, I.No. 19.64)								
	For CC Road								
	B sector								
	5mtr Wide Road	1	290.00	3.80		1102.00			
	9th B Cross	1	103.00	4.70		484.10			
	11th B Cross	1	113.00	4.80		542.40			
	Near 19th B cross	1	34.00	4.70		159.80			
						2288.30	**Sqm**	**6.36**	**14553.59**
	Basic Rate	6.00							
	Area Weightage 6%	0.36							
	Data Rate	**6.36**							

Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
KSRRB M400- Wet Mix Macadam KSRRB M400-17. Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406 (Page No.155.tem No.20.18,PW,P & IWTD SR 2018-19)								
For CC Road								
B sector								
5mtr Wide Road	1	290.00	3.80	0.15	165.30			
9th B Cross	1	103.00	4.70	0.15	72.62			
11th B Cross	1	113.00	4.80	0.15	81.36			
Near 19th B cross	1	34.00	4.70	0.15	23.97			
	2	50.00	1.00	0.15	15.00			
					358.25	**Cum**	**2001.28**	**716948.55**
Basic Rate	1888.00							
Area Weightage 6%	113.28							
Data Rate	**2001.28**							
Cement concrete pavement Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M20/M30 , with 25mm and down size graded granite metal coarse aggregates and fine aggregtes , with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. - M30 (at 360Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.46cum) (Page No. 175.tem No.22.6.1,PW,P & IWTD SR 2018-19)								
For CC Road								
B sector								
5mtr Wide Road	1	290.00	3.80	0.15	165.30			
9th B Cross	1	103.00	4.70	0.15	72.62			
11th B Cross	1	113.00	4.80	0.15	81.36			
Near 19th B cross	1	84.00	4.30	0.15	54.18			
					373.46	**Cum**	**5210.96**	**1946059.07**
Basic Rate	4916.00							
Area Weightage 6%	294.96							
Data Rate	**5210.96**							
Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift.(Page No. 177.tem No.22.7,PW,P & IWTD SR 2018-19)								
For CC Road								
B sector								
5mtr Wide Road	1	290.00	3.80		1102.00			
9th B Cross	1	103.00	4.70		484.10			
11th B Cross	1	113.00	4.80		542.40			
Near 19th B cross	1	84.00	4.30		361.20			
					2489.70	**Sqm**	**72.08**	**179457.58**
Basic Rate	68.00							
Area Weightage 6%	4.08							
Data Rate	**72.08**							
							Total Construction Cost	**8460289.48**
							GST Charges 12%	**1015234.74**
							KRIDL Charges 4%	**338411.58**
							Towords PMC cost 1%	**84602.89**

No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
								Sub Total	9898538.69
								Utility Shifting,Miscellaneous and Rounding off	1461.31
								GRAND TOTAL	9900000.00

Certificate

1. The workspot was inspected and works is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike limits.
3. The rates adopted based on the PWD SR,Bangalore circle for year 2018-19.and Data Rates

Assistant Engineer
Ward No.04

Asst. Executive Engineer,
Yelahanka Satellite town Sub division,
Bangalore-64

Executive Engineer,
Yelahanka Division
Bangalore-64

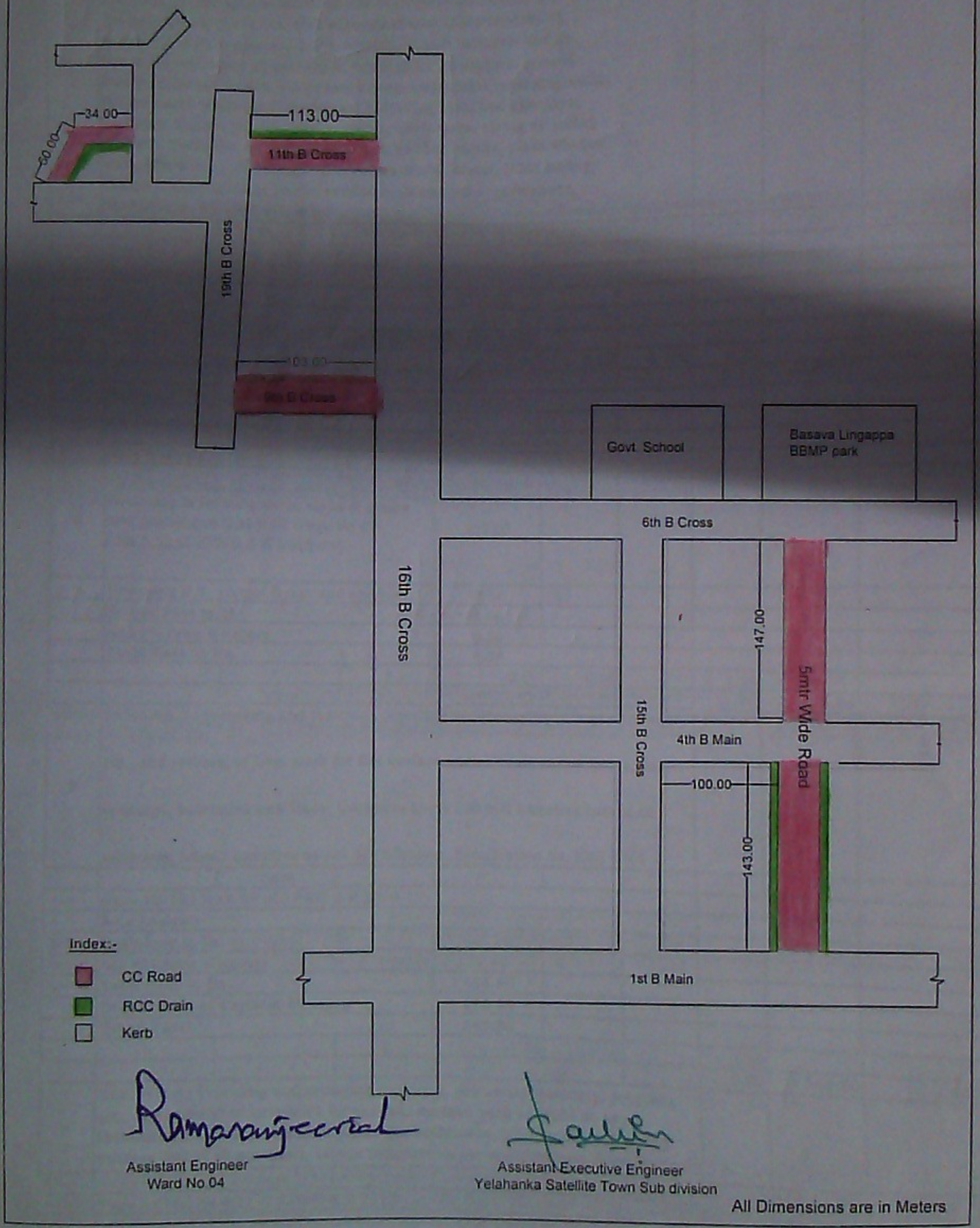
Administrative Sanction for Rs. ...99.00 Lakhs
....Ninty...nine...Lakhs...only.....
.....
is accorded under head ...P-18.78.....
...18.P.T.C...Works.....2018-19.....
.....
Registered as CE No ..... Subject
to conditions contained in this memo
No EE/YNK/AS/23/2019-20 Dt. 19/10/2019

Executive Engineer

Technical Sanction
Accorded For RS99 lakhs only
Head of A/C P1878
CER NO :...95..... Dt:23.10.2019

TAI ICE (YNK)

Name of Work:- Improvements of Roads and Drains at SC/ST Area in Ward no.04



Assistant Engineer
Ward No 04

Assistant Executive Engineer
Yelahanka Satellite Town Sub division

All Dimensions are in Meters